

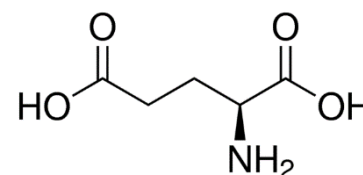


# Product Specification

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## L-GLUTAMIC ACID FOR BIOCHEMISTRY

<b>PRODUCT CODE</b>	<b>037102</b>
<b>SYNONYMS</b>	[L-a-Aminoglutaric acid]
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	(56-86-0)
<b>ATOMIC OR MOLECULAR FORMULA</b>	$C_5H_9NO_4$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	147.13
<b>PROPERTIES</b>	Practically insoluble in methanol, ethanol, ether, acetone and cold glacial acetic acid. Sublimes at 200°C



<b>PARAMETER</b>	<b>LIMIT</b>
Description	White crystalline powder.
Solubility	5% solution in dilute HCl is clear and colourless.
Minimum Assay (Non-aqueous)	99.0%
20° Specific Rotation [ (α) D C=2 in 10% HCl]	+30° to +32°

### MAXIMUM LIMIT OF IMPURITIES

Sulphated ash	0.1%
Ammonium (NH <sub>3</sub> )	0.02%
Chloride (Cl)	0.03%
Sulphate (SO <sub>4</sub> )	0.03%
Iron (Fe)	0.001%
Loss on drying (at 110°C)	0.5%
Heavy Metals (Pb)	0.001%

**Note(s): Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements:** Not hazardous. No hazards.

**Precautionary statements**

**Prevention:** -----

**Response:**

**Disposal:**--

IMDG Code :--

UN No. :--

IATA :--

Hazard Pictogram(s) : --